



RULE 63 (37 C.F.R. 1.63)  
**INVENTOR'S DECLARATION FOR PATENT APPLICATION  
 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**APPARATUS AND METHOD FOR THE COMPLETE CHARACTERIZATION OF OPTICAL DEVICES INCLUDING LOSS, BIREFRINGENCE AND DISPERSION EFFECTS**

the specification of which (check applicable box(s)):

is attached hereto  
 was filed on December 14, 2001 as U.S. Application Serial No. \_\_\_\_\_ (Atty Dkt. No. 3926-3)  
 was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_  
 and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
60/255,077		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
60/255,077	14 December 2000

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s): Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandon d
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1. Inventor's Signature:	<u>Mark E. Froggett</u>			Date: Jan. 3, 2002
Inventor:	Mark (first)	E. MI	FROGGATT (last)	US (citizenship)
Residence: (city)	Blacksburg	(state/country)	VA	
Mailing Address:	1912 Lacy Lane, Blacksburg, VA			
(Zip Code)	24060			

Attorney's Dkt. No. 3926-3Applicant or Patentee: FROGGA.T

Serial or Patent No.:

Filed or Issued: December 14, 2001

For: **APPARATUS AND METHOD FOR THE COMPLETE CHARACTERIZATION OF OPTICAL DEVICES  
INCLUDING LOSS, BIREFRINGENCE AND DISPERSION EFFECTS**  
**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY  
STATUS [37 CFR 1.27(a)(2)] - SMALL BUSINESS CONCERN**

I hereby declare that I am

- the owner of the small business concern identified below:  
 an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN Luna TechnologiesADDRESS OF CONCERN 2903 Commerce Street, Suite A, Blacksburg, Virginia 24060

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.802, and in 37 CFR 1.27(a)(2), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled:

**APPARATUS AND METHOD FOR THE COMPLETE CHARACTERIZATION OF OPTICAL DEVICES INCLUDING  
LOSS, BIREFRINGENCE AND DISPERSION EFFECTS**

by inventors FROGGATT described in

- the specification filed herewith.  
 application Serial No. \_\_\_\_\_, filed December 14, 2001  
 patent No. \_\_\_\_\_, issued \_\_\_\_\_

If the rights held by the above-identified small business concern are not exclusive, each person, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person who could not qualify as a person under 37 CFR 1.27(a)(1) or by any concern which would not qualify as a small business concern under 37 CFR 1.27(a)(2), or a nonprofit organization under 37 CFR 1.27(a)(3).

Name \_\_\_\_\_

Address \_\_\_\_\_

Person     Small Business Concern     Nonprofit Organization

Name \_\_\_\_\_

Address \_\_\_\_\_

Person     Small Business Concern     Nonprofit Organization

\*Separate verified statement is requested from each person, concern or organization named immediately above having rights to the invention, averring to his/her/its status as a small entity. (37 CFR 1.27)

I acknowledge the duty to file, in this application of patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.27(g)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF INDIVIDUAL SIGNING Mark E. FroggattTITLE IN ORGANIZATION Cheif Technical OfficerADDRESS OF INDIVIDUAL SIGNING 1912 Lacy Lane, Blacksburg VA 24060SIGNATURE Mark E. Froggatt DATE Jan 3, 2002